

ABSTRACT OF THE DISCLOSURE

ZIRCONIUM PHOSPHATE WITH AN EXFOLIATED STRUCTURE,
PRECURSORS OF THIS PHOSPHATE, PREPARATION PROCESS AND
5 USE IN COMPOSITIONS BASED ON MACROMOLECULAR MATERIALS

The invention relates to an exfoliate structured
zirconium phosphate characterized in that it is
10 embodied in the form of a gel containing a maximum 1000
ppm organic compounds or a gel devoid of organic
compounds which are chemically linked to phosphate.
Said phosphate is obtained by a method wherein an
aqueous dispersion is formed from a crystallized
15 zirconium phosphate; a quantity of sodium compound is
added to said dispersion whereby the NA/P ratio is more
than 0.5; an acid is added in order to obtain a gel or
a solid compound which is placed once more in water and
which results in a gel; the phosphate can be used in
20 the preparation of macromolecular-material-based
compositions in order to improve the properties
thereof.